1. **Please delete the entire last paragraph (lines 21-24) on page 9.** The paragraph to be deleted begins with "However, when the designated position 17..." and ends with "...designated position 17 in a manner".

2. **Please replace the paragraph (lines 7-22) on page 6** with the following paragraph:

In step 22d, a corresponding jitter value is assigned to each of the samples $\{S_{U1}... S_{UX}\}$ in the set $\mathbf{S_U}$ of periodically acquired samples in step 22c, resulting in a set $\mathbf{J_U}$ of jitter values. This assignment includes determining for the samples $\{S_{U1}... S_{UX}\}$ in the set $\mathbf{S_U}$, the ~~deviations $\{D_{U1}...D_{UX}\}$ of~~ deviations $\{\Delta_{U1}...\Delta_{UX}\}$ of the amplitudes $\{A_{U1}...A_{UX}\}$ of each of the samples $\{S_{U1}... S_{UX}\}$ from the nominal amplitude A_{UNOM}. The mapping of amplitudes $\{A_1...A_N\}$ and times $\{t_1...t_N\}$ established in step 22b is then used to convert the determined ~~amplitude deviations $\{D_{U1}...D_{UX}\}$~~ amplitude deviations $\{\Delta_{U1}...\Delta_{UX}\}$ to corresponding timing deviations. The resulting timing deviations comprise the set $\mathbf{J_U}$ of jitter values. When a linear mapping is established in step 22b, the set $\mathbf{J_U}$ of jitter values is obtained by dividing the ~~amplitude deviations $\{D_{U1}...D_{UX}\}$~~ amplitude deviations $\{\Delta_{U1}...\Delta_{UX}\}$ by the slope of the linear function relating amplitudes $\{A_1...A_N\}$ and times $\{t_1...t_N\}$. However, when a polynomial mapping is established in step 22b, the set $\mathbf{J_U}$ of jitter values is obtained by evaluating the polynomial for each of the ~~amplitude deviations $\{D_{U1}...D_{UX}\}$~~ amplitude deviations $\{\Delta_{U1}...\Delta_{UX}\}$ from the nominal amplitude A_{UNOM}. When the mapping in step 22b is a look-up table, the set $\mathbf{J_U}$ of jitter values is assigned according to the look-up table, typically using interpolation to accommodate deviations from the nominal amplitude A_{UNOM} that fall between values in the look-up table.

3. Please replace the paragraph from page 8, line 18 to page 9, line 2 with the following paragraph:

In step 26 of the method 20, a jitter value *Jitter*(k) is assigned to each of the samples $\{S_{R1}\ldots S_{RK}\}$ in the set $\mathbf{S}_r$, where k is an integer such that $0 \leq k \leq K$, to provide the corresponding set $\mathbf{J}_r$ of jitter values. This assignment includes determining for the samples $\{S_{R1}\ldots S_{RK}\}$ in the set $\mathbf{S}_r$, ~~deviations $\{D_{R1}\ldots D_{RK}\}$~~ deviations $\{\Delta_{R1}\ldots\Delta_{RK}\}$ of the amplitudes $\{A_{R1}\ldots A_{RK}\}$ of the samples from the nominal amplitude A_{RNOM} (shown in Figure 4F) and includes converting the determined amplitude ~~deviations $\{D_{R1}\ldots D_{RK}\}$~~ deviations $\{\Delta_{R1}\ldots\Delta_{RK}\}$ to corresponding timing deviations. The resulting timing deviations comprise the set $\mathbf{J}_r$ of jitter values *Jitter*(k).

4. Please replace the paragraph between line 3 and line 20 on page 9 with the following paragraph:

This assignment is based on the relationship between amplitude and time on the amplitude transition of the repetitive signal S1 upon which the designated position 17 is positioned, and is determined analogously to the assignment of jitter values in step 22d to the periodically timed samples acquired in step 22c, with the exception that here, the samples $\{S_{R1}\ldots S_{RK}\}$ are acquired at the non-uniform time intervals τr determined by equation 1. When the designated position 17 coincides with the amplitude transition 13 on which the mapping of amplitudes $\{A_1\ldots A_N\}$ and times $\{t_1\ldots t_N\}$ of step 22b is established, this mapping can be used in assigning the jitter values to the set $\mathbf{S}_r$ of samples $\{S_{R1}\ldots S_{RK}\}$. For example, when a linear mapping is established in step 22b, the set $\mathbf{J}_r$ of jitter values is obtained by dividing the amplitude ~~deviations $\{D_{R1}\ldots D_{RK}\}$~~ deviations $\{\Delta_{R1}\ldots\Delta_{RK}\}$ by the slope of the linear function relating amplitudes $\{A_1\ldots A_N\}$ and times $\{t_1\ldots t_N\}$ on the characterized amplitude transition 13. When a polynomial mapping is established in step 22b, the set $\mathbf{J}_r$ of jitter values is obtained by

evaluating the polynomial for each of the ~~deviations $\{D_{R1}...D_{RK}\}$~~ deviations $\{\Delta_{R1}...\Delta_{RK}\}$ of the amplitudes $\{A_{R1}...A_{RK}\}$ from the nominal amplitude A_{RNOM}. When the mapping in step 22b is a look-up table, the set $\mathbf{J}_r$ of jitter values is assigned according to the look-up table, typically using interpolation to accommodate amplitude ~~deviations $\{D_{R1}...D_{RK}\}$~~ deviations $\{\Delta_{R1}...\Delta_{RK}\}$ from the nominal amplitude A_{RNOM} that fall between values in the look-up table as needed.